



Texas Brine Company, LLC

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February 12, 2013

Commissioner James H. Welsh
P.O. Box 94275
Baton Rouge, LA 70804

RE: In response to State of Louisiana Department of Natural Resources Office of Conservation's Second Amendment to Declaration of Emergency and Directive

Commissioner Welsh,

In response to the Second Amendment and Declaration of Emergency and Directive order issued by the Louisiana Department of Natural Resources (LDNR), Office of Conservation on September 25, 2012, Texas Brine Company, LLC (TPC) understands the seven items listed in the document.

In the above mentioned, TBC was specifically directed and ordered to perform certain tasks outlined in the above mentioned document. Below are the required responses, as directed.

1. TBC's counsel provided LDNR legal counsel with a response to Directives 1-3 on September 28, 2012.
2. TBC understands Directive 4, which is to provide all daily logs and field notes from all contractors conducting investigation into subsidence and natural gas bubbling. The Daily Action Summary and results for current information can be found in the Attachment section of this report.
3. TBC understands Directive 5, which directs TBC to immediately allow for split or share any sample taken on site related to Well 3A (Serial Number 974265), the cavern, other wells facilities or other site locations. The Daily Action Summary of today's collection can be found in Attachment section of this report.
4. TBC understands Directive 6, which directs TBC to immediately report the results (final and preliminary) of any tests, logs samples or data collection performed on Well 3A, the cavern, other wells, facilities or site locations that indicate a change in any previously known conditions related to the investigation of the subsidence or natural gas bubbling

events, and continue to report any such results. The Daily Action Summary and the Results related to this Directive can be found in Attachment section of this report.

5. TBC understands the Directive 7, which states that TBC will provide a daily summary of all tests, or logs performed or samples taken from Well 3A and the cavern as well as any results of those tests or logs, including preliminary as of September 25, 2012 and going forward. The Daily Summary and Results related to this Directive can be found in Attachment section of this report.

Please note that the drilling rig used for the Observation Well 3A has been removed and the site is being rigged down and returned to pre-drilling condition. As such, daily drilling reports for this well have ceased. Plans are being made for longer term potential gas venting/flaring requirements and possible hydrocarbon material recover from Well 3A.

In addition, previous daily summary reports issued to LDNR have included significant duplicate information as there is a fair amount of overlap in the information requested in each of the Directives included in the September 25, 2012 order. All requested information associated with the Directives issued in the September 25, 2012 order are included in the Attachment section of this report.

TBC believes that the submittal of this report satisfies the requirements of the Declaration of Emergency and Directive issued on September 25, 2012. As directed this report is submitted by email to conservationorder@la.gov, ref. "Emergency Declaration-Texas Brine Company LLC-9/25/2012.



Bruce E. Martin

Vice President, Operations

Texas Brine Company, LLC

Summary Table for Daily Events

TBC Oxy Grand Bayou Data Management-Environmental										
Contractor	Responsibilities	Collected By	Date Collected	Delivered to Lab	Results from Lab	Laboratory	Method	Date to Agencies		
Sage	Stationary Air Monitoring	Eric Rucinski - 07:30 - 09:15	2/11/2013	No	No	No	AreaRAE Monitors	2/12/2013		
	Residential Air Monitoring	No work performed	2/11/2013	NA	NA	NA	NA	NA		
	Gas Seep Sampling	Steve Shaughnessy - Lead	1/31/2013	Yes	Yes	Isotech	Isotopic	2/12/2013		
	Well Gas Sampling	No work performed	2/11/2013	NA	NA	NA	NA	NA		
	Indoor Air Monitoring	No work performed	2/11/2013	NA	NA	NA	NA	NA		
Respec	Inclinometers/Tilt Meters	No work conducted	No work conducted	2/11/2013	NA	NA	NA	NA		
	InSAR Reflector Installations	No work conducted	No work conducted	2/11/2013	NA	NA	NA	NA		
	Subsidence Survey-Fenstermaker	No work conducted	No work conducted	2/11/2013	NA	NA	NA	NA		
	Shallow Geophone Installation	No work conducted	No work conducted	2/11/2013	NA	NA	NA	NA		
	Deep Geophone Installation	Logged & photographed core runs: #17, #18, #19	P.Smith; D. Gnage.	DJG	2/11/2013	NA	NA	NA	NA	
	Amendment #3, Directive #2	Work Completed, no work conducted	Work Completed, no work conducted		2/11/2013	NA	NA	NA	NA	
Miller	Weekly Stability Survey	No Work Performed	11-Feb-13	NA	NA	NA	NA	NA		
	Misc. Survey Work	No Work Performed	11-Feb-13	NA	NA	NA	NA	NA		
	Sinkhole Hydro/Perimeter Survey	No Work Performed	11-Feb-13	NA	NA	NA	NA	NA		
Pisani	Surface Water	NA	NA	NA	NA	NA	NA	NA		
	Well Water	NA	NA	NA	NA	NA	NA	NA		
	Geoprobe Wells	NA	NA	NA	NA	NA	NA	NA		
Grand Bayou Well 3A										
Daily Operations at 3A		<u>Summary of Today's events</u>								
		Oxy 3A								
2/12/2013		7am	641.48	2/12/2013						
2/12/2013		Relief Well #1								
		See ORW-01 Flare Spreadsheet								

Laboratory
Lab Contact

Laboratory
Lab Contact

Attachments

Daily Action Summary

February 11, 2013

Stationary Air Monitoring

- Eric Rucinski onsite from 07:30 to 09:15. Changed out the monitors between 08:14 and 09:02. Collected data from the monitoring database and forwarded to Steve Shaughnessy in the Baton Rouge office for processing.
- Pete Hyatt IV of Code Red (monitor sub-contractor) onsite from 07:00 to 17:00. Assisted in battery change outs and maintenance of the monitoring equipment.

Residential Air Monitoring

- Not Scheduled

Gas Seep Sampling

- Isotech provided isotopic analytical results of the gas sample collected on January 31, 2013 from PND-1, which is North of RW-1 and West of the Maintenance Shop. Accutest T015 and LHG/S analytical results are not yet available.

Well Gas Sampling

- Not Scheduled

Air Indoor Monitoring

- Not Scheduled



Gas Seep Sampling Location

January 31, 2013

Texas Brine - Belle Rose, Louisiana
Hourly Air Monitoring Data

*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

Date-Time *	South-most Pipeline Site					Middle-most Pipeline Site					North-most Pipeline Site					On Drill Rig Boom				Relief Well					
	AM-3					AM-2					AM-1					OG 3A-1				RW-1					
	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)
02/11/2013 01:00:00 AM	<1.0	0.0	0.0	0.0	21.4	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 02:00:00 AM	<1.0	0.0	0.0	0.0	21.4	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 03:00:00 AM	<1.0	0.0	0.0	0.0	21.4	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 04:00:00 AM	<1.0	0.0	0.0	0.0	21.4	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 05:00:00 AM	<1.0	0.0	0.0	0.0	21.5	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 06:00:00 AM	<1.0	0.0	0.0	0.0	21.5	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 07:00:00 AM	<1.0	0.0	0.0	0.0	21.5	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 08:00:00 AM	<1.0	<1.0	<1.0	0.0	21.2	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
02/11/2013 09:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
02/11/2013 10:00:00 AM	0.0	0.0	<1.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
02/11/2013 11:00:00 AM	0.0	0.0	<1.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
02/11/2013 12:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
02/11/2013 01:00:00 PM	0.0	<1.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.7	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 02:00:00 PM	0.0	<1.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 03:00:00 PM	0.0	<1.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 04:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.7	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 05:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 06:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 07:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 08:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 09:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 10:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/11/2013 11:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9
02/12/2013 12:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	<1.0	20.9

Lab #333492

Sample Name: TB PND-1

Date Sampled: 1/31/2013

Component	mol %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide	ND			
Hydrogen Sulfide	NA			
Helium	0.0014			
Hydrogen	ND			
Argon	0.903			
Oxygen	20.20			
Nitrogen	74.91			
Carbon Dioxide	0.083			
Methane	3.82	-50.05	-169.9	
Ethane	0.0593			
Ethylene	ND			
Propane	0.0130			
Propylene	ND			
Iso-butane	0.0033			
N-butane	0.0026			
Iso-pentane	0.0012			
N-pentane	0.0005			
Hexanes +	0.0007			
BTU/cf	40			
Specific grav	0.984			

Texas Brine - Belle Rose, Louisiana
Hourly Air Monitoring Data

*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

Date-Time *	South-most Pipeline Site					Middle-most Pipeline Site					North-most Pipeline Site					On Drill Rig Boom					Relief Well				
	AM-3					AM-2					AM-1					OG 3A-1					RW-1				
	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)
02/11/2013 05:00:00 AM	<1.0	0.0	0.0	0.0	21.5	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/11/2013 06:00:00 AM	<1.0	0.0	0.0	0.0	21.5	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/11/2013 07:00:00 AM	<1.0	0.0	0.0	0.0	21.5	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/11/2013 08:00:00 AM	<1.0	<1.0	<1.0	0.0	21.2	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
02/11/2013 09:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
02/11/2013 10:00:00 AM	0.0	0.0	<1.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
02/11/2013 11:00:00 AM	0.0	0.0	<1.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
02/11/2013 12:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
02/11/2013 01:00:00 PM	0.0	<1.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.7	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
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02/11/2013 03:00:00 PM	0.0	<1.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/11/2013 04:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.7	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/11/2013 05:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/11/2013 06:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/11/2013 07:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/11/2013 08:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/11/2013 09:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/11/2013 10:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/11/2013 11:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/12/2013 12:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/12/2013 01:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/12/2013 02:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/12/2013 03:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.7	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/12/2013 04:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
02/12/2013 05:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.8	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	1.1	0.0	0.0	20.9

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: David Gnage

Date: 2/11/13

Company: RESPEC

Work Order #: ()

Personnel	Company	Job Title
Peter Smith, CPG	RESPEC	Staff Geologist
David Gnage	RESPEC	Staff Geologist

Time Onsite: Start Time: 0:00 End Time: 24:00

Equipment Onsite:

Daily Activity: Log and photograph core from core runs #17 (777'-807'), #18 (807'-837'), and #19 (837'-867').

Proposed Schedule: Continue coring.

Initials: DJG

Michael Pisani & Associates
Texas Brine, L.L.C.
Assumption Parish, Louisiana
Daily Field Report

Report By: Anna Fix
Company: MP&A

Date: 2/12/2013
Work Order # 80-05

Health and Safety Meeting YES NO

Weather: 65 F Overcast

<u>Personnel</u>	<u>Company</u>	<u>Job Title</u>

Site Activities: Start Time _____ End Time _____

Equipment On-site:

Daily Activity:
No field activities

Estimated time of completion:
NA

Proposed schedule:
Monitoring surface water along transect 2/13/2013
Measure water level for the industrial water wells 2/13/2013

Estimated time of completion:
On-going

Initials: ABF